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SEQUENCE LISTING

<110> SOCIÉTÉ DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES, S.A.S. DONG, Zheng Zin

<120> PEPTIDE YY ANALOGS

<130> 127P/PCT

<150> US 60/440,812

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<160> 108

<170> PatentIn version 3.2

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        <400> 54
                                                                    25
        Ile Lys Pro Glu Ala Pro Gly Glu Asp Xaa Ser Pro Glu Glu Leu Asn
```

. 10

5

Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln

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Arg Tyr
 <210> 55
 <211> 34
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 <223> C-terminal amidation
 <220>
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 <400> 55
 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Xaa Pro Glu Glu Leu Asn
 Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
                              25
 Arg Tyr
《表面图》的 医直肠管 "我们就是这种,我们是有一点,我们是不是一样,是有一点的是"自己的是"的一个感情。
 <210> 56
 <211> 34
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 <220>
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 <400> 56
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 Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
            20
                   ; 25
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Arg Tyr
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Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Xaa Leu Asn
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
                                 25
Arg Tyr
<210>
        58
<211>
       34
                                       the control of the experience of the control of the party
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<222> (15)..(15)
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<400> 58
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Xaa Asn
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
                                 25
```

23

Arg Tyr

```
<210> 59
 <211> 34
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 <220>
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<220>
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       (16) . . (16)
 <223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 59
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Xaa
                5
                                     10
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
            20
Arg Tyr
<210> 60
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<212> PRT
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<220>
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<220>
<221> MISC_FEATURE
<222> (18)..(18)
<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 60
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
Arg Xaa Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
                                25
Arg Tyr
<210> 61
<211> 34
<212> PRT
```

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<213> artificial
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 <220>
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 <400> 61
 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
                5
                                   10
 Arg Tyr Xaa Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
            20
                                25
Arg Tyr
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<211> 15
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<220>
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<222>
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 62
Xaa Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
<210> 63
<211> 34
<212> PRT
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<220>
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<220>
<221> MISC_FEATURE
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
                                                              16
<400> 63
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```
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
Arg Tyr Tyr Xaa Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
Arg Tyr
<210>
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<211>
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<223> N-terminal acetylation; C-terminal amidation
<220>
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<223>
      Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 64
Xaa Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
                                 10
<210>
      65
<21.1>
      15
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<220>
<223> N-terminal acetylation; C-terminal amidation
<220>
<221>
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<222>
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 65
Ala Ser Leu Arg His Xaa Leu Asn Leu Val Thr Arg Gln Arg Tyr
                                 10
<210>
      66
<211>
      13
                                                           12.5
<212>
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<213>
      artificial
<220>
<223> N-terminal acetylation; C-terminal amidation
```

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<220>
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
  <400> 66
 Leu Arg His Xaa Leu Asn Leu Val Thr Arg Gln Arg Tyr
 <210> 67
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<212> PRT
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
 <400> 67
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Arg Tyr Tyr Ala Ser Leu Arg His Xaa Leu Asn Leu Val Thr Arg Gln
                 25 30
                                                      Arg Tyr
<210> 68
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<220>
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<220>
<221> MISC_FEATURE
<222> (5)..(5)
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                                                                 18.5
Leu Arg His Tyr Xaa Asn Leu Val Thr Arg Gln Arg Tyr
               5
```

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<210> 69
<211> 15
<212> PRT
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<220>
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 69
Ala Ser Leu Arg His Tyr Leu Xaa Leu Val Thr Arg Gln Arg Tyr
               5
<210> 70
<211> 13
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<220>
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
                      <400> 70
Leu Arg His Tyr Leu Xaa Leu Val Thr Arg Gln Arg Tyr
              5
<210> 71
<211> 34
<212> PRT
<213> artificial
<220>
<223> C-terminal amidation
<220>
<221> MISC_FEATURE
<222>
      (27)..(27)
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<400> 71
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
              5
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Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Xaa Leu Val Thr Arg Gln
 Arg Tyr
 <210> 72
 <211>
       34
 <211> 34
<212> PRT
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<221> MISC_FEATURE
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 72
Xaa Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
      the state of a great in the effective real to be the figure of the termination of
<210> 73
<211> 13
<212> PRT
<213> artificial
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<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 73
Leu Arg His Tyr Leu Asn Xaa Val Thr Arg Gln Arg Tyr
                                                                1
<210> 74
<211> 34
<212> PRT
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<213> artificial
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               <223> C-terminal amidation
              <220>
              <221> MISC_FEATURE <222> (29)..(29)
              <223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
             <400> 74
             Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
                                                                      5
                                                                                                                                            10
            Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Xaa Thr Arg Gln
                                                                                                                              25
            Arg Tyr
           <210> 75
          <211> 15
<212> PRT
           <213> artificial
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          <223> N-terminal acetylation; C-terminal amidation
          <220>
          <221> MISC FEATURE
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<222> (11)..(11)
<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
         <400> 75
        Ala Ser Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln Arg Tyr
                                                            5
        <210> 76
         <211> 13
        <212>
                               PRT
        <213> artificial
        <220>
       <223> N-terminal acetylation; C-terminal amidation
       <220>
       <221> MISC_FEATURE
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       <222> (9)..(9)
<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
       <400> 76
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```
Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln Arg Tyr
  <210> 77
  <211> 34
  <212> PRT
<213> artificial
  <220>
  <223> C-terminal amidation
  <220>
  <221> MISC_FEATURE
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 <223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
 <400> 77
 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
 Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln
 Arg Tyr
 <210> 78
<210> /8
<211> 34
<212> PRT
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<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 78
Ile Lys Pro Xaa Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
           20
                              25
Arg Tyr
```

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<210> 79
  <211> 34
  <212> PRT
  <213> artificial
  <220>
  <223> C-terminal amidation
 <220>
 <221> MISC_FEATURE
 <222>
       (5)..(5)
 <223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
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 Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
                              25
 Arg Tyr
 <210> 80
 <211> 34
 <212> PRT
 <213> artificial
<220>
<223> C-terminal amidation
<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> Xaa is 1-amino-1-cyclohexanecarboxylic acid
<400> 80
Ile Lys Pro Glu Ala Pro Xaa Glu Asp Ala Ser Pro Glu Glu Leu Asn
                                10
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
Arg Tyr
                                                          15
<210>
      81
<211> 34
<212> PRT
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<213> artificial
       <220>
       <223> C-terminal amidation
       <220>
       <221> MISC_FEATURE
       <222>
             (10)..(10)
       <223> Xaa is 4-amino-4-carboxytetrahydropyran
       <400> 81
       Ile Lys Pro Glu Ala Pro Gly Glu Asp Xaa Ser Pro Glu Glu Leu Asn
       1 . 5
      Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
                                    25
      Arg Tyr
      <210> 82
      <211> 34
      <212> PRT
      <213> artificial
      <220> \
      <223> C-terminal amidation
      <220>
      <221> MISC_FEATURE  
<222> (11)..(11)
<222> (11)..(11)
      <223> Xaa is 4-amino-4-carboxytetrahydropyran
      <400> 82
      Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Xaa Pro Glu Glu Leu Asn
     Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
                                   25
     Arg Tyr
     <210> 83
     <211> 15
<212> PRT
                                                                `*€.£
     <213> artificial
     <220>
     <223> N-terminal acetylation; C-terminal amidation
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<220>

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 <223> Xaa is 4-amino-4-carboxytetrahydropyran
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 Ala Xaa Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
                                     10
                                                        15
 <210> 84
 <211> 34
<212> PRT
 <213> artificial
 <220>
 <223> C-terminal amidation
 <220>
 <221> MISC_FEATURE
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<223> Xaa is 4-amino-4-carboxytetrahydropyran
 <400> 84
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
                                    10
Arg Tyr Tyr Ala Xaa Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
   30
Arg Tyr
<210> 85
<211> 15
<212> PRT
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<223> N-terminal acetylation; C-terminal amidation
<220>
<221> MISC_FEATURE
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<223> Xaa is 4-amino-4-carboxytetrahydropyran
<400> 85
Ala Ser Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln Arg Tyr
               5
                                   10
```

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<210> 86
 <211> 13
<212> PRT
 <213> artificial
 <220>
 <223> N-terminal acetylation; C-terminal amidation
 <220>
 <221> MISC_FEATURE
 <222> (9)..(9)
 <223> Xaa is 4-amino-4-carboxytetrahydropyran
 <400> 86
Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln Arg Tyr
                                10
 <210> 87
 <211> 34
 <212> PRT
<213> artificial
<220>
<223> C-terminal amidation
<220>
<221> MISC_FEATURE
<222> (30)..(30)
<223> Xaa is 4-amino-4-carboxytetrahydropyran
Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
                               10
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Xaa Arg Gln
                            25
Arg Tyr
<210> 88
<211> 34
<212> PRT
<213> artificial
<220>
<223> C-terminal amidation
                                                        60
<220>
<221> MISC_FEATURE
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<222> (5)..(5)
  <223> Xaa is 4-amino-4-carboxytetrahydropyran
  <400> 88
  Ile Lys Pro Glu Xaa Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
                                     10
  Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 Arg Tyr
 <210> 89
 <211> 15
 <212> PRT
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 <220>
 <221> MISC_FEATURE
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       (1)..(1)
 <223> Xaa is alpha-aminoisobutyric acid
 <400> 89
Xaa Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
 1
            5
                    10
<210> 90
<211> 34
<212> PRT
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<220>
<223> C-terminal amidation
<220>
<221> MISC_FEATURE
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<223> Xaa is Apc as defined in the specification
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Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
               5
                                  10
Xaa Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
           20
                              25
                                                  30
```

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Arg Tyr
<210> 91
<211> 15
<212> PRT
<213> artificial
<220>
<223> N-terminal acetylation; C-terminal amidation
<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa is Apc as defined in the specification
<400> 91
Ala Ser Leu Xaá His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
              5
<210> 92
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<220>
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<221> MISC_FEATURE
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<223> Xaa is Apc as defined in the specification
<400> 92
Leu Xaa His Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
              5
                                 10
<210> 93
<211> 34
<212> PRT
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<220>
<223> C-terminal amidation
<220>
<221> MISC_FEATURE
                                                          No.
<222> (23)..(23)
<223> Xaa is Apc as defined in the specification
<400> 93
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Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn

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Arg Tyr Tyr Ala Ser Leu Xaa His Tyr Leu Asn Leu Val Thr Arg Gln
    Arg Tyr
    <210> 94
    <211>
          15
    <212> PRT
    <213> artificial
    <220>
    <223> N-terminal acetylation; C-terminal amidation
    <220>
   <221> MISC_FEATURE
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         (5)..(5)
    <223> Xaa is Apc as defined in the specification
   <400> 94
   Ala Ser Leu Arg Kaa Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
   <210>
         95
   <211> 13
<212> PRT
                        <213> artificial
   <220>
   <223> N-terminal acetylation; C-terminal amidation
   <220>
   <221> MISC_FEATURE
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   <223> Xaa is Apc as defined in the specification
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   Leu Arg Xaa Tyr Leu Asn Leu Val Thr Arg Gln Arg Tyr
   <210>
         96
   <211>
         34
   <212> PRT
                                                             16
   <213>
         artificial
   <220>
   <223> C-terminal amidation
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<220>
  <221> MISC_FEATURE
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  <400> 96
 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
                                    10
 Arg Tyr Tyr Ala Ser Leu Arg Xaa Tyr Leu Asn Leu Val Thr Arg Gln
                     25
 Arg Tyr
 <210> 97
 <211> 15
<212> PRT
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 <220>
 <221> MISC FEATURE
<222> (12)..(12)
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Ala Ser Leu Arġ His Tyr Leu Asn Leu Val Thr Xaa Gln Arg Tyr
               5
<210> 98
<211> 13
<212> PRT
<213> artificial
<220>
<223> N-terminal acetylation; C-terminal amidation
<220>
<221> MISC_FEATURE
<222> (10)..(10)
<223> Xaa is Apc as defined in the specification
<400> 98
Leu Arg His Tyr Leu Asn Leu Val Thr Xaa Gln Arg Tyr
               5
```

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<210> 99
   <211> 34
   <212> PRT
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   <220>
   <223> C-terminal amidation
   <220>
   <221> MISC_FEATURE
   <222> (31)..(31)
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   Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
                5
   Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Xaa Gln
                                  25
   Arg Tyr
  <210> 100
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  <212> PRT
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  <220>
  <221> MISC_FEATURE <222> (13)..(13)
  <223> Xaa is Apc as defined in the specification
  <400> 100
  Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Xaa Arg Tyr
  <210> 101
  <211>
        13
  <212> PRT
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 <223> N-terminal acetylation; C-terminal amidation
                                                               96.1
 <220>
 <221> MISC_FEATURE
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<223> Xaa is Apc as defined in the specification

Leu Arg His Tyr Leu Asn Leu Val Thr Arg Xaa Arg Tyr

<222> (11)..(11)

<400> 101

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<210> 102
 <211> 34
 <212> PRT
 <213>
       artificial
 <220>
 <223> C-terminal amidation
 <220>
 <221> MISC_FEATURE
 <222> (32)..(32)
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 <400> 102
 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Xaa
Arg Tyr
<210> 103
<211> 15
<212> PRT
<213> artificial
<220>
<223> N-terminal acetylation; C-terminal amidation
<220>
<221> MISC_FEATURE <222> (14)..(14)
      (14)...(14)
<223> Xaa is Apc as defined in the specification
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Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Xaa Tyr
                               10
                                                 15
                                                        17. 6
<210>
     104
<211>
      13
<212> PRT
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<213> artificial
                                                     <220>
                                                    <223> N-terminal acetylation; C-terminal amidation
                                                    <220>
                                                    <221> MISC_FEATURE
                                                    <222> (12)..(12)
                                                   <223> Xaa is Apc as defined in the specification
                                                   <400> 104
                                                  Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Xaa Tyr
                                                                                                    5
                                                  <210> 105
                                                  <211> 15
                                                  <212> PRT
                                                  <213> artificial
                                                  <220>
                                                 <223> N-terminal acetylation; C-terminal amidation
                                                 <220>
                                                <221> MISC_FEATURE <222> (15)..(15)
                                                <223> Xaa is Apc as defined in the specification
                                                <400> 105
                                                Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Xaa
                                                1 5
                                                                                                                              10
                                                                                                                                                           10 15
and a surface of the decay of the contraction of th
                                               <210> 106
                                                <211> 13
                                               <212> PRT
                                               <213> artificial
                                               <220>
                                               <223> N-terminal acetylation; C-terminal amidation
                                              <220>
                                              <221> MISC_FEATURE
                                              <222> (13)..(13)
                                              <223> Xaa is Apc as defined in the specification
                                              <400> 106
                                             Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln Arg Xaa
                                                                                               5
                                                                                                                                                                                                                                                     1
                                             <210> 107
                                             <211> 34
                                             <212> PRT
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  <223> C-terminal amidation
  <220>
  <221> MISC_FEATURE
  <222> (34)...(34)
 <223> Xaa is Apc as defined in the specification
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 Ile Lys Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
                 5
 Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
 Arg Xaa
 <210> 108
<211> 34
<212> PRT
<213> artificial
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<223> C-terminal amidation
<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> Xaa is Apc as defined in the specification
<400> 108
Ile Xaa Pro Glu Ala Pro Gly Glu Asp Ala Ser Pro Glu Glu Leu Asn
           . 5
Arg Tyr Tyr Ala Ser Leu Arg His Tyr Leu Asn Leu Val Thr Arg Gln
                                25
```

Arg Tyr

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